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(54) **Regulatory region for heterologous gene expression in yeast.**

(57) Novel DNA sequences which are responsive to the presence of methanol, catabolite non-repressing carbon sources and carbon source starvation are provided. In addition, novel constructs including these DNA sequences, as well as transformed organisms therewith are provided. Processes for producing the DNA sequences and constructs of the invention are detailed. The production of polypeptide product under the control of the regulatory regions of the invention is demonstrated.

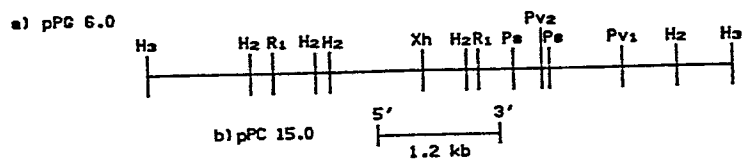


FIG. 1

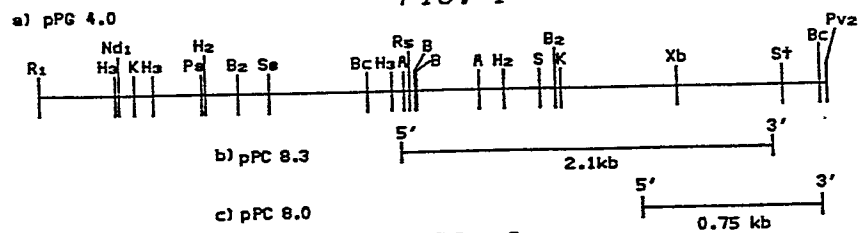


FIG. 2

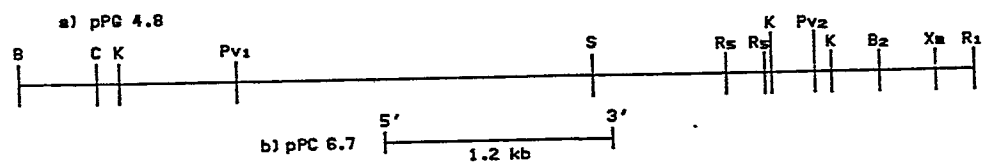


FIG. 3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	EP-A-0 088 622 (GENENTECH) * Pages 14,16; claims *	1,7,10	C 12 N 15/00 C 07 H 21/04 C 12 N 1/20 C 12 N 1/16 /
X	NUCLEC ACIDS RESEARCH, vol. 12, no. 16, August 1984, pages 6397-6414, IRL Press Ltd, Cambridge, GB; A. MIYAJIMA et al.: "Analysis of full-length cDNA clones carrying GALI of Saccharomyces cerevisiae: a model system for cDNA expression" * Whole document *	1,7,10	C 12 N 1/20 C 12 R 1:19) C 12 N 1/16 C 12 R 1:645 C 12 R 1:72 C 12 R 1:78 C 12 R 1:84 C 12 R 1:85 C 12 R 1:88)
X	EP-A-0 073 635 (KINGSMAN) * Example 6; claims *	1	
X	WO-A-8 401 153 (COLLABORATIVE RESEARCH) * Page 4; claims *	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 12 N
A	EP-A-0 096 430 (GIST-BROCADES) * Page 7; claims *	13	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-07-1987	Examiner DELANGHE L.L.M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
P, X	MOLECULAR AND CELLULAR BIOLOGY, vol. 5, no. 5, May 1985, pages 1111-1121, American Society for Microbiology; S.B. ELLIS et al.: "Isolation of alcohol oxidase and two other methanol regulatable genes from the yeast <i>Pichia pastoris</i> " * Whole document *	1-19	
E	EP-A-0 173 378 (UNILEVER) * Claims * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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Place of search THE HAGUE		Date of completion of the search 02-07-1987	Examiner DELANGHE L.L.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	